

new/usr/src/cmd/make/Makefile.com

1

605 Wed May 20 11:30:07 2015

new/usr/src/cmd/make/Makefile.com

make: unifdef for SUNOS4_AND_AFTER (defined)

```
1 #
2 # This file and its contents are supplied under the terms of the
3 # Common Development and Distribution License ("CDDL"), version 1.0.
4 # You may only use this file in accordance with the terms of version
5 # 1.0 of the CDDL.
6 #
7 # A full copy of the text of the CDDL should have accompanied this
8 # source. A copy of the CDDL is also available via the Internet at
9 # http://www.illumos.org/license/CDDL.
10 #
```

12 # Copyright 2015, Richard Lowe.

14 MAKE_INCLUDE= \$(SRC)/cmd/make/include

15 **MAKE_DEFS= -DSYSV -DINTER**

15 MAKE_DEFS= -DSYSV -DINTER -DSUNOS4_AND_AFTER

16 \$(RELEASE_BUILD)MAKE_DEFS += -DNDEBUG

17 CFLAGS += \$(CCVERBOSE)

18 CPPFLAGS += -I\$(MAKE_INCLUDE) \$(MAKE_DEFS)

new/usr/src/cmd/make/bin/depvar.cc

1

```
*****
3177 Wed May 20 11:30:08 2015
new/usr/src/cmd/make/bin/depvar.cc
make: unifdef for SUNOS4_AND_AFTER (defined)
*****
_unchanged_portion_omitted_

46 typedef struct _Depvar *Depvar;

48 static Depvar depvar_list;
49 static Depvar *bpatch = &depvar_list;
50 static Boolean variant_deps;

52 /*
53 * Add a name to the list.
54 */

56 void
57 depvar_add_to_list(Name name, Boolean cmdline)
58 {
59     Depvar dv;

61 #ifdef SUNOS4_AND_AFTER
62     dv = ALLOC(Depvar);
63 #else
64     dv = (Depvar) Malloc(sizeof(struct _Depvar));
65 #endif
66     dv->name = name;
67     dv->next = NULL;
68     dv->cmdline = cmdline;
69     *bpatch = dv;
70     bpatch = &dv->next;
71 }

69 /*
70 * The macro 'name' has been used in either the left-hand or
71 * right-hand side of a dependency. See if it is in the
72 * list. Two things are looked for. Names given as args
73 * to the -V list are checked so as to set the same/differ
74 * output for the -P option. Names given as macro=value
75 * command-line args are checked and, if found, an NSE
76 * warning is produced.
77 */
78 void
79 depvar_dep_macro_used(Name name)
80 {
81     Depvar dv;

83     for (dv = depvar_list; dv != NULL; dv = dv->next) {
84         if (name == dv->name) {
85 #ifdef NSE
86 #ifdef SUNOS4_AND_AFTER
87             if (dv->cmdline) {
88 #else
89                 if (is_true(dv->cmdline)) {
90 #endif
91                 nse_dep_cmdmacro(dv->name->string);
92             }
93 #endif
94             variant_deps = true;
95             break;
96         }
97     }

96 #ifdef NSE
```

new/usr/src/cmd/make/bin/depvar.cc

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```
97 /*
98 * The macro 'name' has been used in either the argument
99 * to a cd before a recursive make. See if it was
100 * defined on the command-line and, if so, complain.
101 */
102 void
103 depvar_rule_macro_used(Name name)
104 {
105     Depvar dv;

107     for (dv = depvar_list; dv != NULL; dv = dv->next) {
108         if (name == dv->name) {
109 #ifdef SUNOS4_AND_AFTER
110             if (dv->cmdline) {
111 #else
112                 if (is_true(dv->cmdline)) {
113 #endif
114                 nse_rule_cmdmacro(dv->name->string);
115             }
116             break;
117         }
118     }
119 }

_unchanged_portion_omitted_
```

```

*****
12541 Wed May 20 11:30:08 2015
new/usr/src/cmd/make/bin/nse.cc
make: unifdef for SUNOS4_AND_AFTER (defined)
*****
_____
unchanged portion omitted
65 static Nse_suffix      sufx_hdr;
66 static int             our_exit_status;

68 static void            nse_warning(void);
69 static Boolean         nse_gettoken(wchar_t **, wchar_t *);

71 /*
72 * Given a command that has just recursed to a sub make
73 * try to determine if it cd'ed to a directory that was
74 * defined by a make variable imported from the shell
75 * environment or a variable with backquotes in it.
76 * This routine will find something like:
77 *   cd $(DIR); $(MAKE)
78 * where DIR is imported from the shell environment.
79 * However it well not find:
80 *   CD = cd
81 *           $(CD) $(DIR); $(MAKE)
82 * or
83 *   CD = cd $(DIR)
84 *           $(CD); $(MAKE)
85 *
86 * This routine also checks for recursion to the same
87 * directory.
88 */
89 void
90 nse_check_cd(Property prop)
91 {
92     wchar_t      tok[512];
93     wchar_t      *p;
94     wchar_t      *our_template;
95     int          len;
96     Boolean      cd;
97 #ifdef SUNOS4_AND_AFTER
98     String_rec   string;
99 #else
100    String       string;
101 #endif
102    Name         name;
103    Name         target;
104    struct Line   *line;
105    struct Recursive *r;
106    Property     recurse;
107    wchar_t      strbuf[STRING_BUFFER_LENGTH];
108    wchar_t      tmpbuf[STRING_BUFFER_LENGTH];

106 #ifdef LTEST
107     printf("In nse_check_cd, nse = %d, nse_did_recursion = %d\n", nse, nse_d
108 #endif
109 #ifdef SUNOS4_AND_AFTER
110     if (!nse_did_recursion || !nse) {
111 #else
112     if (is_false(nse_did_recursion) || is_false(flag.nse)) {
113 #endif
114 #ifdef LTEST
115     printf ("returning, nse = %d, nse_did_recursion = %d\n", nse,
116 #endif
117     return;
118     }
119     line = &prop->body.line;
120 #ifdef LTEST

```

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117     printf("string = %s\n", line->command_template->command_line->string_mb)
118 #endif

120     wscpy(tmpbuf, line->command_template->command_line->string);
121     our_template = tmpbuf;
122     cd = false;
123     while (nse_gettoken(&our_template, tok)) {
124 #ifdef LTEST
125         printf("in gettoken loop\n");
126 #endif
127 #ifdef SUNOS4_AND_AFTER
128     if (IS_WEQUAL(tok, (wchar_t *) "cd")) {
129 #else
130     if (is_equal(tok, "cd")) {
131 #endif
132         cd = true;
133     } else if (cd && tok[0] == '$') {
134         nse_backquote_seen = NULL;
135         nse_shell_var_used = NULL;
136         nse_watch_vars = true;
137 #ifdef SUNOS4_AND_AFTER
138     INIT_STRING_FROM_STACK(string, strbuf);
139     name = GETNAME(tok, FIND_LENGTH);
140 #else
141     init_string_from_stack(string, strbuf);
142     name = getname(tok, FIND_LENGTH);
143 #endif
144     expand_value(name, &string, false);
145     nse_watch_vars = false;
146 #ifdef LTEST
147     printf("cd = %d, tok = %s\n", cd);
148 #endif
149     /*
150     * Try to trim tok to just
151     * the variable.
152     */
153     if (nse_shell_var_used != NULL) {
154         nse_warning();
155         fprintf(stderr, "\tMake invoked recursively by c
156         nse_shell_var_used->string_mb,
157         line->command_template->command_line->string
158     }
159     if (nse_backquote_seen != NULL) {
160         nse_warning();
161         fprintf(stderr, "\tMake invoked recursively by c
162         nse_backquote_seen->string_mb,
163         line->command_template->command_line->string
164     }
165     cd = false;
166     } else if (cd && nse_backquotes(tok)) {
167         nse_warning();
168         fprintf(stderr, "\tMake invoked recursively by cd'ing to
169         line->command_template->command_line->string_mb);
170     } else {
171         cd = false;
172     }
173 }

174 /*
175 * Now check for recursion to ".".
176 */
177 if (primary_makefile != NULL) {
178     target = prop->body.line.target;
179     recurse = get_prop(target->prop, recursive_prop);

```

```

174         while (recurse != NULL) {
175             r = &recurse->body.recursive;
193 #ifdef SUNOS4_AND_AFTER
176             if (IS_EQUAL(r->directory->string, (wchar_t *) ".") &&
177                 !IS_EQUAL(r->makefiles->name->string,
178                     primary_makefile->string)) {
197 #else
198             if (is_equal(r->directory->string, ".") &&
199                 !is_equal(r->makefiles->name->string,
200                     primary_makefile->string)) {
201 #endif
202                 nse_warning();
203                 fprintf(stderr, "\tRecursion to makefile '%s' in
204                     r->makefiles->name->string_mb,
205                     line->command_template->command_line->string
206                 );
207                 recurse = get_prop(recurse->next, recursive_prop);
208             }
209         }
210     }
211 }
212
213 /*
214  * Print an NSE make warning line.
215  * If the -P flag was given then consider this a fatal
216  * error, otherwise, just a warning.
217  */
218 static void
219 nse_warning(void)
220 {
221 #ifdef SUNOS4_AND_AFTER
222     if (report_dependencies_level > 0) {
223 #else
224     if (is_true(flag.report_dependencies)) {
225 #endif
226         our_exit_status = 1;
227     }
228     if (primary_makefile != NULL) {
229         fprintf(stderr, "make: NSE warning from makefile %s/%s:\n",
230             get_current_path(), primary_makefile->string_mb);
231     } else {
232         fprintf(stderr, "make: NSE warning from directory %s:\n",
233             get_current_path());
234     }
235 }
236
237 unchanged_portion_omitted

```

```

238 /*
239  * Given a dependency and a target, see if the dependency
240  * is an SCCS file. Check for the last component of its name
241  * beginning with "s." and the component before that being "SCCS".
242  * The NSE does not consider a source file to be derived from
243  * an SCCS file.
244  */
245 void
246 nse_check_sccs(wchar_t *targ, wchar_t *dep)
247 {
248     wchar_t    *slash;
249     wchar_t    *p;
250
251 #ifdef SUNOS4_AND_AFTER
252     if (!nse) {
253 #else
254     if (is_false(flag.nse)) {
255 #endif
256         return;
257     }
258 }

```

```

285 #ifdef SUNOS4_AND_AFTER
286     slash = wsrchr(dep, (int) slash_char);
287 #else
288     slash = rindex(dep, '/');
289 #endif
290 if (slash == NULL) {
291     return;
292 }
293 if (slash[1] != 's' || slash[2] != '.') {
294     return;
295 }
296
297 /*
298  * Find the next to last filename component.
299  */
300 for (p = slash - 1; p >= dep; p--) {
301     if (*p == '/') {
302         break;
303     }
304 }
305 p++;
306 #ifdef SUNOS4_AND_AFTER
307     MBSTOWCS(wcs_buffer, "SCCS/");
308     if (IS_EQUALN(p, wcs_buffer, wslen(wcs_buffer))) {
309 #else
310     if (is_equaln(p, "SCCS/", 5)) {
311 #endif
312         nse_warning();
313         WCSTOMBS(mbs_buffer, targ);
314         WCSTOMBS(mbs_buffer2, dep);
315         fprintf(stderr, "\tFile '%s' depends upon SCCS file '%s'\n",
316             mbs_buffer, mbs_buffer2);
317     }
318     return;
319 }
320
321 /*
322  * Given a filename check to see if it has 2 backquotes in it.
323  * Complain about this because the shell expands the backquotes
324  * but make does not so the files always appear to be out of date.
325  */
326 void
327 nse_check_file_backquotes(wchar_t *file)
328 {
329 #ifdef SUNOS4_AND_AFTER
330     if (!nse) {
331 #else
332     if (is_false(flag.nse)) {
333 #endif
334         return;
335     }
336     if (nse_backquotes(file)) {
337         nse_warning();
338         WCSTOMBS(mbs_buffer, file);
339         fprintf(stderr, "\tFilename \"%s\" has backquotes in it\n",
340             mbs_buffer);
341     }
342 }
343
344 /*
345  * Return true if the string has two backquotes in it.
346  */
347 Boolean
348 nse_backquotes(wchar_t *str)
349 {
350     wchar_t    *bq;

```



```

483 #else
484     if (is_false(flag.nse)) {
485 #endif
486         return;
487     }
488 #ifdef SUNOS4_AND_AFTER
489     if (target->stat.is_derived_src) {
490 #else
491     if (is_true(target->stat.is_derived_src)) {
492 #endif
493         return;
494     }
495     if (command_template != NULL) {
496         return;
497     }
498 #ifdef SUNOS4_AND_AFTER
499     suffix = wsrchr(target->string, (int) period_char);
500 #else
501     suffix = rindex(target->string, '.');
502 #endif
503     if (suffix != NULL) {
504         for (sufx = sufx_hdr; sufx != NULL; sufx = sufx->next) {
505 #ifdef SUNOS4_AND_AFTER
506             if (IS_WEQUAL(sufx->suffix, suffix)) {
507 #else
508             if (is_equal(sufx->suffix, suffix)) {
509 #endif
510                 nse_warning();
511                 WCSTOMBS(mbs_buffer, dep);
512                 fprintf(stderr, "\tProbable source file '%s' app
513                     target->string_mb, mbs_buffer);
514                 break;
515             }
516         }
517     }
518 }
519
520 /*
521 * See if a target is a potential source file and has no
522 * dependencies and no rule but shows up on the right-hand
523 * side. This tends to occur from old "make depend" output.
524 */
525 void
526 nse_check_no_deps_no_rule(Name target, Property line, Property command)
527 {
528     Nse_suffix     sufx;
529     wchar_t        *suffix;
530
531 #ifdef SUNOS4_AND_AFTER
532     if (!nse) {
533 #else
534     if (is_false(flag.nse)) {
535 #endif
536         return;
537     }
538 #ifdef SUNOS4_AND_AFTER
539     if (target->stat.is_derived_src) {
540 #else
541     if (is_true(target->stat.is_derived_src)) {
542 #endif
543         return;
544     }
545     if (line != NULL && line->body.line.dependencies != NULL) {
546         return;
547     }
548 #ifdef SUNOS4_AND_AFTER

```

```

458     if (command->body.line.sccs_command) {
459 #else
460     if (is_true(command->body.line.sccs_command)) {
461 #endif
462         return;
463     }
464 #ifdef SUNOS4_AND_AFTER
465     suffix = wsrchr(target->string, (int) period_char);
466 #else
467     suffix = rindex(target->string, '.');
468 #endif
469     if (suffix != NULL) {
470         for (sufx = sufx_hdr; sufx != NULL; sufx = sufx->next) {
471 #ifdef SUNOS4_AND_AFTER
472             if (IS_WEQUAL(sufx->suffix, suffix)) {
473 #else
474             if (is_equal(sufx->suffix, suffix)) {
475 #endif
476                 if (command->body.line.command_template == NULL)
477                     nse_warning();
478                 fprintf(stderr, "\tProbable source file
479                     target->string_mb);
480             }
481         }
482     }
483 }
484
485 /*
486 * Detected a situation where a recursive make derived a file
487 * without using a makefile.
488 */
489 void
490 nse_no_makefile(Name target)
491 {
492 #ifdef SUNOS4_AND_AFTER
493     if (!nse) {
494 #else
495     if (is_false(flag.nse)) {
496 #endif
497         return;
498     }
499     nse_warning();
500     fprintf(stderr, "Recursive make to derive %s did not use a makefile\n",
501         target->string_mb);
502 }
503
504 unchanged_portion_omitted

```

new/usr/src/cmd/make/bin/nse_printdep.cc

1

```
*****
8831 Wed May 20 11:30:08 2015
new/usr/src/cmd/make/bin/nse_printdep.cc
make: unifdef for SUNOS4_AND_AFTER (defined)
*****
1 /*
2  * CDDL HEADER START
3  *
4  * The contents of this file are subject to the terms of the
5  * Common Development and Distribution License (the "License").
6  * You may not use this file except in compliance with the License.
7  *
8  * You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9  * or http://www.opensolaris.org/os/licensing.
10 * See the License for the specific language governing permissions
11 * and limitations under the License.
12 *
13 * When distributing Covered Code, include this CDDL HEADER in each
14 * file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 * If applicable, add the following below this CDDL HEADER, with the
16 * fields enclosed by brackets "[]" replaced with your own identifying
17 * information: Portions Copyright [yyyy] [name of copyright owner]
18 *
19 * CDDL HEADER END
20 */
21 /*
22 * Copyright 2003 Sun Microsystems, Inc. All rights reserved.
23 * Use is subject to license terms.
24 */

26 /*
27 * Included files
28 */
29 #include <mk/defs.h>
30 #include <mksh/misc.h>          /* get_prop() */

32 /*
33 * File table of contents
34 */
35 void print_dependencies(register Name target, register Property line);
36 static void print_deps(register Name target, register Property line);
37 static void print_more_deps(Name target, Name name);
38 static void print_filename(Name name);
39 static Boolean should_print_dep(Property line);
40 static void print_forest(Name target);
41 static void print_deplist(Dependency head);
42 void print_value(register Name value, Daemon daemon);
43 static void print_rule(register Name target);
44 static void print_rec_info(Name target);
45 static Boolean is_out_of_date(Property line);
46 extern void depvar_print_results(void);
47 extern int printf(const char *, ...);
48 extern int _flsbuf(unsigned int, FILE *);

50 /*
51 * print_dependencies(target, line)
52 *
53 * Print all the dependencies of a target. First print all the Makefiles.
54 * Then print all the dependencies. Finally, print all the .INIT
55 * dependencies.
56 *
57 * Parameters:
58 *     target      The target we print dependencies for
59 *     line        We get the dependency list from here
60 *
61 * Global variables used:
```

new/usr/src/cmd/make/bin/nse_printdep.cc

2

```
62 *         done          The Name ".DONE"
63 *         init          The Name ".INIT"
64 *         makefiles_used List of all makefiles read
65 */
66 void
67 print_dependencies(register Name target, register Property line)
68 {
69     Dependency dp;
70     static Boolean makefiles_printed = false;

72 #ifndef SUNOS4_AND_AFTER
72     if (target_variants) {
74 #else
74     if (is_true(flag.target_variants)) {
76 #endif
76         depvar_print_results();
77     }
78     if (!makefiles_printed) {
79         /*
80          * Search the makefile list for the primary makefile,
81          * then print it and its inclusions. After that go back
82          * and print the default.mk file and its inclusions.
83          */
84         for (dp = makefiles_used; dp != NULL; dp = dp->next) {
85             if (dp->name == primary_makefile) {
86                 break;
87             }
88         }
89         if (dp) {
90             print_deplist(dp);
91             for (dp = makefiles_used; dp != NULL; dp = dp->next) {
92                 if (dp->name == primary_makefile) {
93                     break;
94                 }
95             }
96             (void)printf("%s", dp->name->string_mb);
97         }
98         makefiles_printed = true;
99     }
100 #ifdef SUNOS4_AND_AFTER
100     /*
101     print_more_deps(target, init);
102     print_more_deps(target, done);
103 */
104     if (target_variants) {
110 #else
110     print_more_deps(target, cached_names.init);
111     print_more_deps(target, cached_names.done);
112     if (is_true(flag.target_variants)) {
113         print_forest(target);
114 #endif
115     }
116 }
117 }

unchanged_portion_omitted

141 /*
142 * print_deps(target, line, go_recursive)
143 *
144 * Print a regular dependency list. Append to this information which
145 * indicates whether or not the target is recursive.
146 *
147 * Parameters:
148 *     target      target to print dependencies for
```

```

149 *           line           We get the dependency list from here
150 *           go_recursive   Should we show all dependencies recursively?
151 *
152 *   Global variables used:
153 *           recursive_name  The Name ".RECURSIVE", printed
154 */
155 static void
156 print_deps(register Name target, register Property line)
157 {
158     register Dependency    dep;

170 #ifdef SUNOS4_AND_AFTER
160     if ((target->dependency_printed) ||
161         (target == force)) {
173 #else
174     if (is_true(target->dependency_printed)) {
175 #endif
162         return;
163     }
164     target->dependency_printed = true;

166     /* only print entries that are actually derived and are not leaf
167      * files and are not the result of sccs get.
168      */
169     if (should_print_dep(line)) {
170 #ifdef NSE
171         nse_check_no_deps_no_rule(target, line, line);
172 #endif
173         if ((report_dependencies_level == 2) ||
174             (report_dependencies_level == 4)) {
175             if (is_out_of_date(line)) {
176                 (void) printf("1 ");
177             } else {
178                 (void) printf("0 ");
179             }
180         }
181         print_filename(target);
182         (void) printf(":\t");
183         print_deplist(line->body.line.dependencies);
184         print_rec_info(target);
185         (void) printf("\n");
186         for (dep = line->body.line.dependencies;
187              dep != NULL;
188              dep = dep->next) {
189             print_deps(dep->name,
190                       get_prop(dep->name->prop, line_prop));
191         }
192     }
193 }

```

unchanged_portion_omitted_

```

254 /*
255 *   should_print_dep(line)
256 *
257 *   Test if we should print the dependencies of this target.
258 *   The line must exist and either have children dependencies
259 *   or have a command that is not an SCCS command.
260 *
261 *   Return value:
262 *           true if the dependencies should be printed
263 *
264 *   Parameters:
265 *           line           We get the dependency list from here
266 *
267 *   Global variables used:
268 */

```

```

269 static Boolean
270 should_print_dep(Property line)
271 {
272     if (line == NULL) {
273         return false;
274     }
275     if (line->body.line.dependencies != NULL) {
276         return true;
277     }
278 #ifdef SUNOS4_AND_AFTER
279     if (line->body.line.sccs_command) {
294 #else
295     if (is_true(line->body.line.sccs_command)) {
296 #endif
279         return false;
280     }
281     return true;
282 }

284 /*
285 * Print out the root nodes of all the dependency trees
286 * in this makefile.
287 */
288 static void
289 print_forest(Name target)
290 {
291     Name_set::iterator np, e;
292     Property            line;

294     for (np = hashtable.begin(), e = hashtable.end(); np != e; np++) {
313 #ifdef SUNOS4_AND_AFTER
295         if (np->is_target && !np->has_parent && np != target) {
315 #else
316         if (is_true(np->is_target) &&
317             is_false(np->has_parent) &&
318             np != target) {
319 #endif
296             (void) doname_check(np, true, false, false);
297             line = get_prop(np->prop, line_prop);
298             printf("-\n");
299             print_deps(np, line);
300         }
301     }
302 }

328 #ifndef SUNOS4_AND_AFTER
329 printdesc()
330 {
331     Name_set::iterator    p, e;
332     register Property     prop;
333     register Dependency   dep;
334     register Cmd_line     rule;
335     Percent               percent, percent_depe;

337     /* Default target */
338     if (default_target_to_build != NULL) {
339         print_rule(default_target_to_build);
340         default_target_to_build->dependency_printed= true;
341     };
342     (void)printf("\n");

344     /* .AR_REPLACE */
345     if (ar_replace_rule != NULL) {
346         (void)printf("%s:\n", cached_names.ar_replace->string_mb);
347         for (rule= ar_replace_rule; rule != NULL; rule= rule->next)
348             (void)printf("\t%s\n", rule->command_line->string_mb);

```



```

349     };
351     /* .DEFAULT */
352     if (default_rule != NULL) {
353         (void)printf("%s:\n", cached_names.default_rule->string_mb);
354         for (rule= default_rule; rule != NULL; rule= rule->next)
355             (void)printf("\t%s\n", rule->command_line->string_mb);
356     };
358     /* .IGNORE */
359     if (is_true(flag.ignore_errors))
360         (void)printf("%s:\n", cached_names.ignore->string_mb);
362     /* .KEEP_STATE: */
363     if (is_true(flag.keep_state))
364         (void)printf("%s:\n", cached_names.dot_keep_state->string_mb);
366     /* .PRECIOUS */
367     (void)printf("%s: ", cached_names.precious->string_mb);
368     for (p = hashtab.begin(), e = hashtab.end(); p != e; p++)
369         if (is_true(p->stat.is_precious | all_precious))
370             (void)printf("%s ", p->string_mb);
371     (void)printf("\n");
373     /* .SCCS_GET */
374     if (sccs_get_rule != NULL) {
375         (void)printf("%s:\n", cached_names.sccs_get->string_mb);
376         for (rule= sccs_get_rule; rule != NULL; rule= rule->next)
377             (void)printf("\t%s\n", rule->command_line->string_mb);
378     };
380     /* .SILENT */
381     if (is_true(flag.silent))
382         (void)printf("%s:\n", cached_names.silent->string_mb);
384     /* .SUFFIXES: */
385     (void)printf("%s: ", cached_names.suffixes->string_mb);
386     for (dep= suffixes; dep != NULL; dep= dep->next) {
387         (void)printf("%s ", dep->name->string_mb);
388         build_suffix_list(dep->name);
389     };
390     (void)printf("\n\n");
392     /* % rules */
393     for (percent= percent_list; percent != NULL; percent= percent->next) {
394         (void) printf("%s:", percent->name->string_mb);
396         for (percent_depe= percent->dependencies; percent_depe != NULL;
397             (void) printf(" %s", percent_depe->name->string_mb);
399         (void) printf("\n");
401         for (rule= percent->command_template; rule != NULL; rule= rule->
402             (void)printf("\t%s\n", rule->command_line->string_mb);
403     };
405     /* Suffix rules */
406     for (p = hashtab.begin(), e = hashtab.end(); p != e; p++)
407         if (is_false(p->dependency_printed) && (p->string[0] ==
408             print_rule(p);
409             p->dependency_printed= true;
410         };
412     /* Macro assignments */
413     for (p = hashtab.begin(), e = hashtab.end(); p != e; p++)
414         if (((prop= get_prop(p->prop, macro_prop)) != NULL) &&

```

```

415         (prop->body.macro.value != NULL)) {
416             (void)printf("%s", p->string_mb);
417             print_value(prop->body.macro.value,
418                 prop->body.macro.daemon);
419         };
420     (void)printf("\n");
422     /* Delays */
423     for (p = hashtab.begin(), e = hashtab.end(); p != e; p++)
424         for (prop= get_prop(p->prop, conditional_prop);
425             prop != NULL;
426             prop= get_prop(prop->next, conditional_prop)) {
427             (void)printf("%s := %s",
428                 p->string_mb,
429                 prop->body.conditional.name->string
430                 print_value(prop->body.conditional.value, no_dae
431             );
432     (void)printf("\n");
434     /* All other dependencies */
435     for (p = hashtab.begin(), e = hashtab.end(); p != e; p++)
436         if (is_false(p->dependency_printed) && (p->colons != no_
437             print_rule(p);
438     (void)printf("\n");
439     exit(0);
440 }
441 #endif
305 /*
306 * This is a set of routines for dumping the internal make state
307 * Used for the -p option
308 */
309 void
310 print_value(register Name value, Daemon daemon)
311 {
450 #ifdef SUNOS4_AND_AFTER
312
452 #else
453
454 #endif
313 {
314     Chain cp;
316     if (value == NULL)
317         (void)printf("\n");
318     else
319         switch (daemon) {
320             case no_daemon:
321                 (void)printf(" %s\n", value->string_mb);
322                 break;
323             case chain_daemon:
324                 for (cp= (Chain) value; cp != NULL; cp= cp->next)
325                     (void)printf(cp->next == NULL ? "%s : %s ",
326                         cp->name->string_mb);
327                 (void)printf("\n");
328                 break;
329         };
330 }

```

unchanged portion omitted